



BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of work:Improvements to Roads And Drains at Kalidasa
and Bhagat Singh Layout and Surrounding Area in Ward No.05
Jakkur**

BYATARAYANAPURA DIVISION

EMB

1st & Final Bill

Name of Contractor :Sri.R Shivaram

Estimated Cost:98.00 Lakh

Job Code:005-21-000018

BRUHATH BANGALORE MAHANAGARAPALIKE

BYATARAYANAPURA DIVISION

1ST AND FINAL BILL

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B NUMBER: 005-21-000018

No: AS/EE(BTP)/53/2020-21 dt:24-11-2020

No: TS/ SE(YNK) /49/2020-21 dt:02-12-2020

ork Order No: BBMP / EE/ BTP/ W.O /24/2021-22 dt: 09-08-2021

me of Contractor : Sri R Shivaram

No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.										
	Qty Taken from Pre measurement page Item No. 1, page No.1 to 3							Cum	1231.28	231.20	284671.70
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.										
	Qty Taken from Pre measurement page Item No. 2, Page No.3 to 5							Cum	184.61	5779.29	1066937.84
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications do- Wall & bottom thickness 15cm										
	For RCC Bottom Raft										
	For RCC Drain										
	Main Road From Kattigenahalli Main Road										
	RHS										
	1	30.00	1.20	0.15	0.15	0.15			5.40		
	1	20.00	1.20	0.15	0.15	0.15			3.60		
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	26.00	0.90	0.15	0.15	0.15			3.51		
	Length Continued										
	1	15.60	0.90	0.15	0.15	0.15			2.11		
	Cross Road-1 Towards Main Road										
	RHS										
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	26.70	0.90	0.15	0.15	0.15			3.60		
	Cross Road-2 from Dead End to Lake										
	LHS										
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	29.50	0.90	0.15	0.15	0.15			3.98		
	Length Continued										
	1	24.30	0.90	0.15	0.15	0.15			3.28		
	1	11.60	0.90	0.15	0.15	0.15			1.57		
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	30.00	0.90	0.15	0.15	0.15			4.05		
	1	18.00	0.90	0.15	0.15	0.15			2.43		
	Length Continued										
	1	30.00	0.90	0.15	0.15	0.15			4.05		

Handwritten signature and stamp at the bottom of the bill.

em No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	8.30	0.90	0.15	0.15	0.15		1.12		
	Length Continued	1	11.20	0.90	0.15	0.15	0.15		1.51		
	Kattigenahalli										
	Ashwathkatte Opposite Road										
	From Kattigenahalli Main Road to Dead End										
	RHS	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	13.10	0.75	0.15	0.15	0.15		1.47		
	Length Continued	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	14.00	0.75	0.15	0.15	0.15		1.58		
	LHS	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	17.10	0.75	0.15	0.15	0.15		1.92		
	Cross Road-3 from Ashwath Katte Opposite Road										
	RHS	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	1.00	0.75	0.15	0.15	0.15		0.11		
	Length Continued	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	17.00	0.75	0.15	0.15	0.15		1.91		
	Length Continued	1	14.00	0.75	0.15	0.15	0.15		1.58		
	LHS	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	27.80	0.75	0.15	0.15	0.15		3.13		
	Cross Road-4 from Cross Road-3 to Kattigenahalli Main Road										
	House No#96										
	LHS	1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	10.00	0.75	0.15	0.15	0.15		1.13		
	RHS	1	22.00	0.75	0.15	0.15	0.15		2.48		
	Length Continued	1	24.80	0.75	0.15	0.15	0.15		2.79		
	Gully Road towards Kattigenahalli Main Road										
	LHS	1	8.00	0.75	0.15	0.15	0.15		0.90		
		1	14.70	0.75	0.15	0.15	0.15		1.65		
		1	7.50	0.75	0.15	0.15	0.15		0.84		
		1	27.50	0.75	0.15	0.15	0.15		3.09		
	Length Continued	1	5.20	0.75	0.15	0.15	0.15		0.59		
		1	2.30	0.75	0.15	0.15	0.15		0.26		
		1	8.30	0.75	0.15	0.15	0.15		0.93		
	8th Cross From Main Road to Dead End										
	LHS	1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	17.40	0.90	0.15	0.15	0.15		2.35		
	For RCC Culvert										
	Main Road From Kattigenahalli Main Road										
	RHS	1	6.20	1.20	0.20	0.20	0.20		1.49		
	Cross Road-2 From Dead End to Lake										
	LHS	1	6.20	1.20	0.20	0.20	0.20		1.49		
		1	7.40	1.20	0.20	0.20	0.20		1.78		
		1	8.00	1.20	0.20	0.20	0.20		1.92		

em No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	Kattigenahalli										
	Ashwathkatte Opposite Road										
	RHS	1	4.30	1.20	0.20	0.20	0.20		1.03		
		1	5.10	1.20	0.20	0.20	0.20		1.22		
	Cross Road-3 from Ashwath Katte Opposite Road										
	RHS	1	3.30	1.20	0.20	0.20	0.20		0.79		
	Gully Road towards Kattigenahalli Main Road										
	LHS	1	3.70	1.20	0.25	0.25	0.25		1.11		
	8th Cross Road										
		1	7.40	1.20	0.25	0.25	0.25		2.22		
	Culvert at 7th Cross	1	7.00	1.20	0.25	0.25	0.25		2.10		
	Kattigenahalli Main Road										
		1	9.20	1.50	0.25	0.25	0.25		3.45		
	Viven Trails Building Opposite road										
		1	6.50	1.20	0.25	0.25	0.25		1.95		
	For RCC Side Walls										
	For RCC Drain										
	Main Road From Kattigenahalli Main Road										
	RHS										
		2	30.00	0.15	0.55	0.60	0.58		5.18		
		2	20.00	0.15	0.60	0.80	0.70		4.20		
		2	30.00	0.15	0.55	0.55	0.55		4.95		
		2	26.00	0.15	0.55	0.58	0.57		4.41		
	Length Continued										
		2	15.60	0.15	0.64	0.62	0.63		2.95		
	Cross Road-1 Towards Main Road										
	RHS										
		2	30.00	0.15	0.46	0.57	0.52		4.64		
		2	30.00	0.15	0.57	0.83	0.70		6.30		
		2	26.70	0.15	0.83	0.56	0.70		5.57		
	Cross Road-2 From Dead End to Lake										
	LHS										
		2	30.00	0.15	0.47	0.60	0.54		4.82		
		2	29.50	0.15	0.60	0.60	0.60		5.31		
	Length Continued										
		2	24.30	0.15	0.60	0.63	0.62		4.48		
		2	11.60	0.15	0.63	0.60	0.62		2.14		
		2	30.00	0.15	0.60	1.05	0.83		7.43		
		2	30.00	0.15	1.05	1.22	1.14		10.22		
		2	18.00	0.15	1.22	1.17	1.20		6.45		
	Length Continued										
		2	30.00	0.15	1.15	1.15	1.15		10.35		
		2	30.00	0.15	1.15	1.12	1.14		10.22		
		2	8.30	0.15	1.12	1.20	1.16		2.89		
	Length Continued										
		2	11.20	0.15	1.20	1.22	1.21		4.07		
	Kattigenahalli										
	Ashwathkatte Opposite Road										
	From Kattigenahalli Main Road to Dead End										
	RHS										
		2	30.00	0.15	0.45	0.43	0.44		3.96		
		2	13.10	0.15	0.43	0.52	0.48		1.87		
	Length Continued										
		2	30.00	0.15	0.53	0.50	0.53		4.64		
		2	30.00	0.15	0.50	0.45	0.48		4.28		
		2	30.00	0.15	0.45	0.40	0.43		3.83		
		2	14.00	0.15	0.40	0.40	0.40		1.68		

em No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
	LHS	2	30.00	0.15	0.60	0.55	0.58		5.18		
		2	17.10	0.15	0.55	0.55	0.55		2.82		
Cross Road-3 from Ashwath Katte Opposite Road											
	RHS	2	30.00	0.15	0.60	0.38	0.49		4.41		
		2	1.00	0.15	0.38	0.38	0.38		0.11		
	Length Continued	2	30.00	0.15	0.38	0.50	0.44		3.96		
		2	17.00	0.15	0.50	0.55	0.53		2.68		
	Length Continued	2	14.00	0.15	0.50	0.45	0.48		2.00		
	LHS	2	30.00	0.15	0.35	0.40	0.38		3.38		
		2	27.80	0.15	0.40	0.45	0.43		3.54		
Cross Road-4 from Cross Road-3 to Kattigenahalli Main Road											
House No#96											
	LHS	2	30.00	0.15	0.55	0.60	0.58		5.18		
		2	30.00	0.15	0.60	0.57	0.59		5.27		
		2	10.00	0.15	0.57	0.54	0.56		1.67		
	RHS	2	22.00	0.15	0.60	0.55	0.58		3.80		
	Length Continued	2	24.80	0.15	0.55	0.52	0.54		3.98		
Gully Road towards Kattigenahalli Main Road											
	LHS	2	8.00	0.15	0.34	0.40	0.37		0.89		
		2	14.70	0.15	0.40	0.40	0.40		1.76		
		2	7.50	0.15	0.40	0.45	0.43		0.96		
		2	27.50	0.15	0.45	0.60	0.53		4.33		
	Length Continued	2	5.20	0.15	0.55	0.55	0.55		0.86		
		2	2.30	0.15	0.55	0.50	0.53		0.36		
		2	8.30	0.15	0.50	0.65	0.58		1.43		
8th Cross From Main Road to Dead End											
	LHS	2	30.00	0.15	0.50	0.60	0.55		4.95		
		2	17.40	0.15	0.60	0.55	0.58		3.00		
For RCC Culvert											
Main Road From Kattigenahalli Main Road											
	RHS	2	6.20	0.30	0.45	0.45	0.45		1.67		
Cross Road-2 From Dead End to Lake											
	LHS	2	6.20	0.30	0.45	0.45	0.45		1.67		
		2	7.40	0.30	1.10	1.10	1.10		4.88		
		2	8.00	0.30	1.10	1.10	1.10		5.28		
Kattigenahalli											
Ashwathkatte Opposite Road											
	RHS	2	4.30	0.30	0.40	0.40	0.40		1.03		
		2	5.10	0.30	0.35	0.35	0.35		1.07		
Cross Road-3 from Ashwath Katte Opposite Road											
	RHS	2	3.30	0.30	0.30	0.30	0.30		0.59		
Gully Road towards Kattigenahalli Main Road											
	LHS	2	3.70	0.30	0.40	0.40	0.40		0.89		
8th Cross Road											
		2	7.40	0.30	0.30	0.30	0.30		1.33		
	Culvert at 7th Cross	2	7.00	0.30	0.60	0.60	0.60		2.52		
Kattigenahalli Main Road											
		2	9.20	0.30	0.60	0.60	0.60		3.31		
Viven Trails Building Opposite road											

em to	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
		2	6.50	0.30	0.60	0.60	0.60		2.34		
	Ramp For RCC Culvert										
	Main Road From Kattigenahalli Main Road										
	RHS	2	6.20	0.75	0.15	0.15	0.15		1.40		
	Cross Road-2 From Dead End to Lake										
	LHS	2	6.20	0.75	0.15	0.15	0.15		1.40		
		2	7.40	0.75	0.15	0.15	0.15		1.67		
		2	8.00	0.75	0.15	0.15	0.15		1.80		
	Kattigenahalli Ashwathkatte Opposite Road										
	RHS	2	4.30	0.75	0.15	0.15	0.15		0.97		
		2	5.10	0.75	0.15	0.15	0.15		1.15		
	Cross Road-3 from Ashwath Katte Opposite Road										
	RHS	2	3.30	0.75	0.15	0.15	0.15		0.74		
	Gully Road										
	LHS	2	3.70	0.75	0.15	0.15	0.15		0.83		
	8th Cross Road										
		2	7.40	0.75	0.15	0.15	0.15		1.67		
	Culvert at 7th Cross Kattigenahalli Main Road										
		2	9.20	0.75	0.15	0.15	0.15		2.07		
	Viven Trails Building Opposite road										
		2	6.50	0.75	0.15	0.15	0.15		1.46	19.06	2927461.68
	Present Qty = Cum								388.17	7541.70	2927452.64
4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications										
	Qty Taken from Pre measurement page Item No.4, Page No.6 to 11								Tonne	26.13	68234.20
											1782959.64
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including form work, lift charges, curing and concrete finished surface on both sides etc, and complete as per the directions of Engineer in charges. (Data Rate)										
	For RCC Drain										
	Main Road From Kattigenahalli Main Road										
	RHS	1	30.00	1.20					36.00		
		1	20.00	1.20					24.00		
		1	30.00	0.90					27.00		
		1	26.00	0.90					23.40		
	Length Continued										
		1	15.60	0.90				12644	14.04		
	Bs Slab Deduction	-40	0.60	1.20					-28.80		
	Cross Road-1 Towards Main Road										
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	26.70	0.90					24.03		
	Bs Slab Deduction	-20	0.60	1.20					-14.40		
	Cross Road-2 From Dead End to Lake										
	LHS	1	30.00	0.90					27.00		
		1	29.50	0.90					26.55		
	Length Continued										
		1	24.30	0.90					21.87		
		1	11.60	0.90					10.44		

$$288.33 - 43.20 = 245.13$$

em No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	18.00	0.90					16.20		
	Length Continued										
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	8.30	0.90					7.47		
	Length Continued										
		1	11.20	0.90				161.75	10.08		
	Bs Slab Deduction	-20	0.60	1.20					-14.40		
	Kattigenahalli										
	Ashwathkatte Opposite Road										
	From Kattigenahalli Main Road to Dead End										
	RHS										
		1	30.00	0.75					22.50		
		1	13.10	0.75					9.83		
	Length Continued										
		1	30.00	0.75					22.50		
		1	30.00	0.75					22.50		
		1	30.00	0.75					22.50		
		1	14.00	0.75					10.50		
	LHS										
		1	30.00	0.75					22.50		
		1	17.10	0.75					12.83		
	Cross Road-3 from Ashwath Katte Opposite Road										
	RHS										
		1	30.00	0.75					22.50		
		1	1.00	0.75					0.75		
	Length Continued										
		1	30.00	0.75					22.50		
			17.00	0.75					12.75		
	Length Continued										
		1	14.00	0.75					10.50		
	LHS										
		1	30.00	0.75					22.50		
		1	27.80	0.75					20.85		
	Cross Road-4 from Cross Road-3 to Kattigenahalli Main Road										
	House No#96										
	LHS										
		1	30.00	0.75					22.50		
		1	30.00	0.75					22.50		
		1	10.00	0.75					7.50		
	RHS										
		1	22.00	0.75					16.50		
	Length Continued										
		1	24.80	0.75					18.60		
	Gully Road towards Kattigenahalli Main Road										
	LHS										
		1	8.00	0.75					6.00		
		1	14.70	0.75					11.03		
		1	7.50	0.75					5.63		
		1	27.50	0.75					20.63		
	Length Continued										
		1	5.20	0.90					4.68		
		1	2.30	0.90					2.07		
		1	8.30	0.90					7.47		
	8th Cross From Main Road to Dead End										
	LHS										
		1	30.00	0.90					27.00		
		1	17.40	0.90					15.66		
	Missing Slabs										
	Palanahalli Main road										
									445.76		

$$587.51 - 14.40 = 573.11$$

